

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/001813

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C11D3/38 C11D3/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96/41860 A (HENKEL KGAA) 27 December 1996 (1996-12-27) claims; examples	1, 3, 5-7
A	WO 03/104368 A (HENKEL KGAA) 18 December 2003 (2003-12-18) claims; examples	1-7
A	DE 43 15 397 A (HENKEL KGAA) 10 November 1994 (1994-11-10) page 6, lines 60-65	1-7
A	WO 95/20030 A (UNILEVER PLC ; UNILEVER NV (NL)) 27 July 1995 (1995-07-27) page 28; examples 4A-4D	1-7

-/--

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

6 May 2005

Date of mailing of the international search report

18/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Miller, B

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/001813

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 969 540 A (JENSEN NED L) 13 July 1976 (1976-07-13) examples 4,9 -----	3,4
X	US 5 358 722 A (MONZYK BRUCE F) 25 October 1994 (1994-10-25) example 11 -----	3,4

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/001813

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9641860	A	27-12-1996	DE	19521371 A1	19-12-1996
			WO	9641860 A1	27-12-1996
			EP	0870007 A1	14-10-1998
WO 03104368	A	18-12-2003	DE	10225115 A1	24-12-2003
			AU	2003274090 A1	22-12-2003
			WO	03104368 A1	18-12-2003
DE 4315397	A	10-11-1994	DE	4315397 A1	10-11-1994
			AT	163191 T	15-02-1998
			AT	182615 T	15-08-1999
			CA	2162459 A1	24-11-1994
			CA	2162460 A1	24-11-1994
			CZ	9502348 A3	17-01-1996
			CZ	9502625 A3	14-02-1996
			DE	59405259 D1	19-03-1998
			DE	59408548 D1	02-09-1999
			DK	697035 T3	28-09-1998
			DK	697036 T3	31-01-2000
			WO	9426859 A1	24-11-1994
			WO	9426860 A1	24-11-1994
			EP	0697035 A1	21-02-1996
			EP	0697036 A1	21-02-1996
			ES	2112542 T3	01-04-1998
			ES	2134944 T3	16-10-1999
			HU	73028 A2	28-06-1996
			HU	73025 A2	28-06-1996
			JP	8509777 T	15-10-1996
			JP	8509778 T	15-10-1996
			PL	311594 A1	19-02-1996
			PL	311624 A1	04-03-1996
			US	5888954 A	30-03-1999
WO 9520030	A	27-07-1995	AU	702040 B2	11-02-1999
			AU	1575695 A	08-08-1995
			BR	9506561 A	28-10-1997
			CA	2180433 A1	27-07-1995
			DE	69502701 D1	02-07-1998
			DE	69502701 T2	26-11-1998
			WO	9520030 A1	27-07-1995
			EP	0741776 A1	13-11-1996
			ES	2118561 T3	16-09-1998
			ZA	9500587 A	25-07-1996
US 3969540	A	13-07-1976	AU	507090 B2	31-01-1980
			AU	1730076 A	09-03-1978
			CA	1078769 A1	03-06-1980
			DE	2640877 A1	24-03-1977
			GB	1547412 A	20-06-1979
			NZ	181800 A	11-01-1979
US 5358722	A	25-10-1994	AT	99656 T	15-01-1994
			AU	641936 B2	07-10-1993
			AU	6296790 A	03-04-1991
			CA	2064069 A1	19-02-1991
			DE	69005827 D1	17-02-1994
			DE	69005827 T2	28-07-1994
			DK	487615 T3	14-03-1994

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 2005/001813

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5358722	A	EP 0487615 A1	03-06-1992
		ES 2062551 T3	16-12-1994
		JP 4507255 T	17-12-1992
		KR 9502917 B1	28-03-1995
		WO 9102704 A1	07-03-1991
		US 5304382 A	19-04-1994

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

STERNAGEL, FLEISCHER,
GODEMEYER & PARTNER
Braunsberger Feld 29
51429 Bergisch Gladbach
ALLEMAGNE

Sternagel, Fleischer,
Godemeyer & Partner

02. Juni 2006

eingegangen/received ✓

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL PRELIMINARY
REPORT ON PATENTABILITY

(PCT Rule 71.1)

Date of mailing
(day/month/year)

31.05.2006

Applicant's or agent's file reference
P12014WO

IMPORTANT NOTIFICATION

International application No.
PCT/EP2005/001813

International filing date (day/month/year)
22.02.2005

Priority date (day/month/year)
02.03.2004

Applicant
DALLI-WERKE GMBH & CO. KG

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the international
preliminary examining authority:



European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0 Tx: 523656 epmu d
Fax: +49 89 2399 - 4465

Authorized Officer

Hick, N

Tel. +49 89 2399-7736





PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P12014WO	FOR FURTHER ACTION See Form PCT/PEA416	
International application No. PCT/EP2005/001813	International filing date (day/month/year) 22.02.2005	Priority date (day/month/year) 02.03.2004
International Patent Classification (IPC) or national classification and IPC INV. C11D3/38 C11D3/02		
Applicant DALLI-WERKE GMBH & CO. KG		
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 8 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> sent to the applicant and to the International Bureau) a total of 13 sheets, as follows:</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>		
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input checked="" type="checkbox"/> Box No. VIII Certain observations on the international application</p>		
Date of submission of the demand 23.11.2005	Date of completion of this report 31.05.2006	
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Miller, B Telephone No. +49 89 2399-8540 	

Box No. I Basis of the report

1. With regard to the **language**, this report is based on
- ☒ the international application in the language in which it was filed
 - ☐ a translation of the international application into , which is the language of a translation furnished for the purposes of:
 - ☐ international search (under Rules 12.3(a) and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4(a))
 - ☐ international preliminary examination (under Rules 55.2(a) and/or 55.3(a))
2. With regard to the **elements*** of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

Description, Pages

1-28	as originally filed
29-36	received on 15.04.2005 with letter of 13.04.2005

Claims, Numbers

1-9	received on 23.11.2005 with letter of 22.11.2005
-----	--

Drawings, Sheets

1/3	as originally filed
2/3, 3/3	received on 15.04.2005 with letter of 13.04.2005

- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing

3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages
 - ☐ the claims, Nos.
 - ☐ the drawings, sheets/figs
 - ☐ the sequence listing (*specify*):
 - ☐ any table(s) related to sequence listing (*specify*):
4. ☒ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages
 - ☒ the claims, Nos. 3,9
 - ☐ the drawings, sheets/figs
 - ☐ the sequence listing (*specify*):
 - ☐ any table(s) related to sequence listing (*specify*):

* If item 4 applies, some or all of these sheets may be marked "superseded."

**INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY**

International application No.
PCT/EP2005/001813

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	6,8
	No: Claims	1-2,4-5,7
Inventive step (IS)	Yes: Claims	8
	No: Claims	1-7
Industrial applicability (IA)	Yes: Claims	1-8
	No: Claims	

2. Citations and explanations (Rule 70.7):

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet